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Gln Tyr Pro Gly Ile Glu Ile Glu Ser Arg Leu Gly Gly Thr Gly Ala
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gagaaaccct agaaaagatc accaacagcc gtcctccctg gcgttcaccc tgtgggactgg 360
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<213> Homo sapiens

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<221> misc_feature
<222> (16)..(16)
<223> n is any nucleotide of a, t, g or c

<400> 18
gcgaccggat gggagnagcc ggggcagacg tccgtagcgc cccctcccga ggaggtcgag 60
ccgggcagtg ggggtccgcat cgtggtggag tactgtgaac cctgcggctt cgaggcgacc 120
tacctggagc tggccagtgc tgtgaaggag cagtatccgg gcacgcgagat cgagtcgcgc 180
ctcgggggca cagggtgctt gagatagaga taaatggaca gctggtgttc tccaagctgg 240
agaatggggg ctttccctat gagaaagatc tcattgaggc catccgaaga gccagtaatg 300
gagaaaccct agaaaagatc accaac 326

<210> 19
<211> 584
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)..(7)
<223> n is any nucleotide of a, t, g or c

<400> 19
tagcgcnngc ggggagccgg ggcagacgct cgtagcgccc cctcccagg aggtcgagcc 60
gggcagtggt gtccgcacgt tgggtggagta ctgtgaaccc tgcggcttcg aggcgacct 120
cctggagctg gccagtgtct tgaaggagca gtatccgggc atcgagatcg agtcgcgcct 180
cgggggcaca ggtgcctttg agatagagat aaatggacag ctggtgttct ccaagctgga 240
gaatgggggc tttccctatg agaaagatct cattgaggcc atccgaagag ccagtaaatg 300
agaaacccta gaaaagatca ccaacagccg tcctccctgc gtcacctgt gactgcacag 360

```
gactctgggt tcttgcctctg ttctgggggtc caaaccttgg tctccctttg gtccctgctgg 420
gagctccccc tgcctcttttc ccctacttag ctccttagca aagagaccct ggcctccact 480
ttgccctttg ggtacaaaga aggaatagaa gattccgtgg ccttgggggc aggagagaga 540
cactctccat gaacacttct ccagccacct cataccccct tccc 584
```

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<210> 20
<211> 488
<212> DNA
<213> Homo sapiens
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<400> 20
cacgaggcga gcgagagccgg ccgcgatgag cggggagccg gggcagacgt ccgtagcgcc 60
ccctcccagag gaggtcgagc cgggcagtgg ggtccgcac gtggtggagt actgtgaacc 120
ctgcggcttc gaggcgacct acctggagct ggccagtgt gtgaaggagc agtatccggg 180
catcgagatc tactcgcgcc tcggggggcac aggtgccttt gagatagaga taaatggaca 240
gctggtgttc tccaagctgg agaatggggg ctttccctat gagaaagatc tcattgaggc 300
catccgaaga gccagtaatg gagaaacctt agaaaagatc accaacagcc gtccctccctg 360
cgtcctcctg tgactgcaca ggactctggg ttcttgcctt gttctggggg ccaaaccttg 420
gtctcccttt ggtcctgctg ggagctcccc ctgcctcttt cccctactta gtccttagc 480
aaagagac 488
```

C1

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<210> 21
<211> 420
<212> DNA
<213> Homo sapiens
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<400> 21
cacgagggcg cccctctccg aggaggtcga gccgggcagt ggggtccgca tcgtggtgga 60
gtactgtgaa ccctgcggtc tcgagggcgac ctacctggag ctggccagtg ctgtgaagga 120
gcagtatccg ggcacgcgaga tcgagtcgcg cctcgggggc acaggtgcct ttgagataga 180
gataaatgga cagctggtgt tctccaagct ggagaatggg ggctttccct atgagaaaga 240
tctcatttag gccatccgaa gagccagtaa tggagaaacc ctagaaaaga tcaccaacag 300
ccgtcctccc tgcgtcatcc tgtgactgca caggactctg ggttcctgct ctgttctggg 360
gtccaaacct tgggtctcct ttgggtctgc tgggagctcc ccttgcctct ttcccctact 420
```

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<210> 22
<211> 429
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (43)..(43)
<223> n is any nucleotide of a, t, g or c
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<400> 22
tgggtaattg gattctcacc cctccgccct acgcactgca ctncgactct tagagatccc 60
cggacgagcc gcagtcagac gtccgtagcg cccctctccg aggaggttta gccgggcagt 120
gggggtccgca tcgtggtgga gtactgtgaa ccctgcggtc tcgagggcgac ctacctggag 180
ctggccagtg ctgtgaagga gcagtatccg gccatcgaga tcgagtcgcg cctcgggggc 240
acaggtgcct ttgagataga gataaatgga cagctggtgt tctccaagct ggagaatggg 300
ggctttccct atgagaaaga tctcatttag gccatccgaa gagccagtaa tggagaaacc 360
ctagaaaaga tcaccaacag ccgtcctccc tgcgtcatcc tgtgactgca caggactctg 420
ggttcctgc 429
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<210> 23
<211> 343
<212> DNA
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<213> Homo sapiens

<220>

<221> misc_feature

<222> (13)..(13)

<223> n is any nucleotide of a, t, g or c

<220>

<221> misc_feature

<222> (18)..(18)

<223> n is any nucleotide of a, t, g or c

<220>

<221> misc_feature

<222> (23)..(23)

<223> n is any nucleotide of a, t, g or c

<220>

<221> misc_feature

<222> (28)..(29)

<223> n is any nucleotide of a, t, g or c

<220>

<221> misc_feature

<222> (33)..(33)

<223> n is any nucleotide of a, t, g or c

<220>

<221> misc_feature

<222> (304)..(304)

<223> n is any nucleotide of a, t, g or c

<220>

<221> misc_feature

<222> (327)..(327)

<223> n is any nucleotide of a, t, g or c

<400> 23

gggccccgagc ggnccgcncg gantgagnng tangccgggg cagacgtccg tagcgccccc 60
tcccgaggag tccagccggg cagtggggtc cgcacgtggtg tggagtactg tgaaccctgc 120
ggcttcgagg cgacctacct ggagctggcc agtgctgtga aggagcagta tccgggcatc 180
gagatcgagt cgcgcctcgg gggcacaggt gctttgagat agagataaat ggacagctgg 240
tggtctccaa gctggagaat gggggctttc cctatgagaa agatctcatt gaggccatcc 300
gaanagccag taatggagaa accctanaaa agatcaccaa cag 343

<210> 24

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (16)..(16)

<223> n is any nucleotide of a, t, g or c

<220>

<221> misc_feature

<222> (19)..(19)

<223> n is any nucleotide of a, t, g or c

<220>

<221> misc_feature
<222> (28)..(28)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (45)..(47)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (436)..(436)
<223> n is any nucleotide of a, t, g or c

<400> 24
atttcggcac agggcncgna ttgagcgan gcccggggcag acgtnnntag cgccccctcc 60
cgaggagntc gagccgncca gtgggggtccg catcgtggtg gagtactgtg aaccctgcgg 120
cttcgagggcg acctacctgg agctggccag tgctgtgaag gagcagtatc cgggcatcga 180
gatcgagtcg cgctcgggg gcacaggtgc ttttgagata gagataaatg gacagctggt 240
gttctccaag ctggagaatg ggggctttcc ctatgagaaa gatctcattg aggccatccg 300
aagagccagt aatggagaaa ccctagaaaa gatcaccaac agccgtcctc cctgcgtcat 360
cctgtggact gcacaggaac tctgggttnc ctgtcttctg tttctggggg tccaaacctt 420
ggttttccct ttggtg 436

<210> 25
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature

<222> (319)..(319)
<223> n is any nucleotide of a, t, g or c

<400> 25
ccgaggcaga cgtccgtagc gccccctccc gaggaggtcg agccgggcag tggggtcgcg 60
atcgtggtgg agtactgtga accctgcggc ttcgaggcga cctacctgga gctggccagt 120
nctgtgaagg agcagtatcc gggcatcgag atcgagtcgc gcctcggggg cacaggtgcc 180
tttgagatag agataaatgg acagctgggtg ttctccaagc tggagaaatng gggctttccc 240
tatgagaaag atctcattga ggccatccga agagccagta atggagaaac cctagaaaag 300
atcaccaaca gccgtcctnc ctg 323

<210> 26
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is any nucleotide of a, t, g or c

<400> 26
gccnggagca gacgtccgta gcgccccctc ccgaggaggt cgagccgggc agtcnggggtc 60
cgcatcgtgg tggagtactg tgaaccctgc ggcttcgagg cgacctacct ggagctggcc 120
agtgtgtgta aggagcagta tccgggcacg gagatcgagt cgcgccctcg gggcacaggt 180
gcctttgaga tagagataaa tggacagctg gtgttctcca agctggagaa tgggggcttt 240
ccctatgaga aagatctcat tgaggccatc cgaagagcca gtaatggaga aaccctagaa 300
aagatcacca acagccgtcc tccctgcgtt catcctgttg actgcacagg acttctgggt 360
tcctngttct gttcttgggg ttccaaact 389

<210> 27
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (446)..(446)
<223> n is any nucleotide of a, t, g or c

<400> 27
agntcgagcc gggcagtggg gtccgcacgc tgggtggagta ctgtgaaccc tgcggcttcg 60
aggcgaccta cctggagctg gccagtgctg tgaaggagca gtatccgggc atcgagatcg 120
agtgcgcgct cgggggcaca ggtgcttttg agatagagat aaatggacag ctggtgttct 180
ccaagctgga gaatgggggc tttccctatg agaaagatct cattgaggcc atccgaagag 240
ccagtaatgg agaaacccta gaaaagatca ccaacagccg tcctccctgc gtcatectgt 300
gactgcacag gactctgggg tcctgcttct gggtctnngg gtccaaaact tgggtcttcc 360
ttttgggcct gcttgggact ttccctggc tcnttttccc caatttagct cccttagnca 420
aaaagaanct tgggcttcan atttgnctt ttgggaaaag 460

<210> 28
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (417)..(417)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (434)..(434)
<223> n is any nucleotide of a, t, g or c

<400> 28

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aagaaaagtga accctgcggc ttcgaggcga cctacctgga gctggccagt gctgtgaagg 60
agcagtatcc gggcatcgag atcgagtcgc gcctcggggg cacagggtgct ttgagataga 120
gataaatgga cagctgggtgt tctccaagct ggagaatggg ggctttccct atgagaaaaga 180
tctcattgag gccatccgaa gagccagtaa tggagaaaacc ctagaaaaga tcaccaacag 240
ccgtcctccc tgcgtcatcc tgtgactgca caggactnac tctgggttcc tgctctgttc 300
tgggggtccaa accttgggtc tcactttggt cctgctggga agctccccct gcctcttttc 360
ccctacttaa gctccntaag caaaagagaa ccttgggcct ccaantttgg ccctttnggt 420
acaaaaagaa aggnat 436
```

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<210> 29
<211> 391
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (7)..(7)
<223> n is any nucleotide of a, t, g or c
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<220>
<221> misc_feature
<222> (22)..(22)
<223> n is any nucleotide of a, t, g or c
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<220>
<221> misc_feature
<222> (24)..(24)
<223> n is any nucleotide of a, t, g or c
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<220>
<221> misc_feature
<222> (209)..(209)
<223> n is any nucleotide of a, t, g or c
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<220>
<221> misc_feature
<222> (254)..(254)
<223> n is any nucleotide of a, t, g or c
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<220>
<221> misc_feature
<222> (309)..(309)
<223> n is any nucleotide of a, t, g or c
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<220>
<221> misc_feature
<222> (354)..(354)
<223> n is any nucleotide of a, t, g or c
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<220>
<221> misc_feature
<222> (364)..(364)
<223> n is any nucleotide of a, t, g or c
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<220>
<221> misc_feature
<222> (369)..(369)
<223> n is any nucleotide of a, t, g or c
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```
<400> 29
cggcacncgc ggattgaggt gnangccggg gcagacgtcc gtagcgcccc ctcccagga 60
```

```
gttcgagccg ggcagtgggg tccgcatcgt ggtggagtac tgtgaaccct gcggcttcga 120
ggcgacctac ctggagctgg ccagtgtctg gaaggagcag tatccgggca tcgagatcga 180
gtcgcgcctc gggggcacag gtgcttttna gatagagata aatggacagc tgggtgttctc 240
caagctggag aatnggggct ttccctatga gaaagatctt cattgaggcc atccgaagag 300
ccagtaatng agaaacccta gaaaagatca ccaacagccg tccttccttg cgtncatcct 360
gttnacttnc acaaggattc ttgggtttcc t 391
```

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<210> 30
<211> 386
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (13)..(13)
<223> n is any nucleotide of a, t, g or c
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<220>
<221> misc_feature
<222> (53)..(53)
<223> n is any nucleotide of a, t, g or c
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<220>
<221> misc_feature
<222> (378)..(378)
<223> n is any nucleotide of a, t, g or c
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C1

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<400> 30
gcgggggagcg ggngcagacg tccgtagcgc cccctcccga ggaggtcgag ccnggcagtg 60
gggtccgcat cgtggtggag tactgtgaac cctgcggctt cgaggcgacc tacctggagc 120
tgccagtgctc tgtgaaggag cagtatccgg gcatcgagat cgagtcgcgc ctccgggggca 180
caggtgcttt gagatagaga taaatggaca gctggtgttc tccaagctgg agaatggggg 240
ctttccctat gagaaagatc ttcattgagg ccattccgaag agccagtaat gggagaaaacc 300
cttagaaaaag attcaccaac agccgttcct ccctggcggt cattccttgt tgaattgcac 360
agggattttg gggtttctnt ttttgt 386
```

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<210> 31
<211> 348
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (226)..(226)
<223> n is any nucleotide of a, t, g or c
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<220>
<221> misc_feature
<222> (315)..(315)
<223> n is any nucleotide of a, t, g or c
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```
<220>
<221> misc_feature
<222> (336)..(336)
<223> n is any nucleotide of a, t, g or c
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<400> 31
gcgcatcgtg gtggagtact gtgaaccctg cggttcgcag gcgacctacc tggagctggc 60
cagtgtctgt aaggagcagt atccgggcat cgagatcgag tcgcgcctcg ggggcacagg 120
tgctttgaga tagagataaa tggacagctg gtgttctcca agctggagaa tgggggcttt 180
```

ccctatgaga aagatctcat tgaggccatc cgaagagcca gtaatngaga aaccctagaa 240
aagatcacca acagccgtcc tcccttgctg catcctgtga ctgcacaggg attctggggt 300
ccttggttctg ttctnggggt tcaaaccttt ggggttncctt ttggtcct 348

<210> 32
<211> 344
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (27)..(28)
<223> n is any nucleotide of a, t, g or c

<220>
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<222> (56)..(57)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is any nucleotide of a, t, g or c

C
<220>
<221> misc_feature
<222> (215)..(215)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is any nucleotide of a, t, g or c

<400> 32
cccgagcgga gcggcccgga tgagcgngga gccggggcag acgtccgtag cgcccnntcc 60
cgaggaggtc gagccgggca gtgggggtccg catcgtggtg gagtactgtn aaccctgcgg 120
cttcgagggc acctacctgg agctggccag tgctgtnaag gagcagtatc cgggcatcga 180
gatcgagtcg cgctcgggg gcacaggtgc ctttnagata gagataaatg gacagctggt 240
gttctccaag ctggagaatg gggggctttc cctatgagaa agatctcatt gaggccatcc 300
gaagngccag taaatggaga aaccctagaa aagatcacca acag 344

<210> 33
<211> 532
<212> DNA
<213> Homo sapiens

<400> 33
tttagtgttt gtagcgccac tttactgcca atagctgaca ttgccctggg ttaggggaga 60
ataaataaaa tctgtggcat cagacaggta ttaccgaggc gaagagtgga ctgggctttc 120
gtgggcactt accctgggaa gggggtatga ggtggctgga gaagtgttca tggagagtgt 180
ctctctcctg cccccaaggc cacggaatct tctattcctt ctttgtagcc aaagggcaaa 240
gtggaggcca ggggtctctt gctaaggagc taagtagggg aaagaggcag ggggagctcc 300
cagcaggacc aaaggagac caaggtttgg accccagaac agagcaggaa cccagagtcc 360
tgtgcagtca caggatgacg caggaggagc ggctgttggg gatcttttct agggtttctc 420

cattactggc tcttcggatg gcctcaatga gatctttctc atagggaaag cccccattct 480
ccagcttgga gaacaccagc tgtccattta tctctatctc aaaggcacct gt 532

<210> 34
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)..(10)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is any nucleotide of a, t, g or c

C | <220>
<221> misc_feature
<222> (293)..(293)
<223> n is any nucleotide of a, t, g or c

<400> 34
gcggagcgcn ccgcatgag cggcgagccg gggcagacgt ccgtagcgcc ccctcccgag 60
gaggtcgagc cgggcagtgg ggtccgcacg gtgggtggagt actgtgaacc ctgcggcttc 120
gaggcgacct acctggagct ggccatgctg tgaaggagca gtatccgggc atcgagatcg 180
agtcgcgcct cgggggcaca ggtgcctttg agatagagat aaatngacan ctggtgttct 240
tcaagctgga gaatgggggc tttccctatg agaaagatct cattgaggnc atncgaagag 300
ccataatgg 309

<210> 35
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (482)..(482)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (503)..(503)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (520)..(520)
<223> n is any nucleotide of a, t, g or c

<400> 35
agtgtttgta ggcgcacttt actgcccaata gctgacattg ccctggggtta ggggagaata 60
aataaaatct gtggcatcag acagggtatta cccaggcgaa gagtggactg ggctttcgtg 120
ggcacttacc ctgggaagg ggtatgaggt tggctggaga agtgttcag gagagtgtct 180
ctctcctgcc cccaaggcca cggaatcttc tattccttct ttgtacccaa agggcaaagt 240
ggaggccagg gtctctttgc taaggagcta agtaggggaa agaggcagg ggagctccca 300
gcaggacca agggagacca aggtttggac cccagaacag agcaggaacc cagagtctctg 360
tgcagtcaca ggatgacgca gggaggacgg ctnttgggta tcttttctag ggtttctcca 420
ttactggctc ttcggatggc ctcaatgaga tctttctcag gggaaagccc cattctccag 480
cntggagaac accagctgtc canttatctc tatctcaaan gcacctgtgc cccgaagcgc 540
gactcgattt tcgatgccc gatactgtc c 571

<210> 36
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)..(17)
<223> n is any nucleotide of a, t, g or c

<400> 36
ggggcagacg tccgtancgc cccctcccgga ggaggtcgag ccgggagcag ggggtccgcat 60
cgtgggtggag tactgtgaac cctgcggctt cgaggcgacc tacctggagc tggccagtgc 120
tgtgaaggag cagtatccgg gcatcgagat cgagtcgcgc ctccgggggca caggtgcttt 180
gagatagaga taaatggaca gctgggtgttc tccaagctgg agaagggggg ctttcccctg 240
agaaagatct catttaggcc cat 263

<210> 37
<211> 528
<212> DNA
<213> Homo sapiens

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<223> n is any nucleotide of a, t, g or c

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<223> n is any nucleotide of a, t, g or c

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<223> n is any nucleotide of a, t, g or c

<220>
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<222> (520)..(520)
<223> n is any nucleotide of a, t, g or c

<400> 37

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agaataaata aaatctgtgg catcagacag gtattaccga ggcgaagagt ggactgggct 120
ttcgtgggca cttaccctgg gaagggggta tgagggtggct ggagaagtgt tcatggagag 180
tgtctctctc ctgcccccaa ggccacggaa tcttctattc cttctttgta cccaaagggc 240
aaagtggagg ccagggtctc tttgctaagg agctaagtag gggaaagagg caggggganc 300
tcccagcagg accaaaggga gaccaaggtt tggaccccag aacagagcag gaaccagag 360
tccttgtgca gtcacaggat gacgcangga ggacggctgt tggatgatctt ttctagggtt 420
tctccattac tggctcttcg gatggcctca atgagatctt tctcataggg aaagcccca 480
ttctccagct tggagaacac cagctgtcca attatctccn tctcaaaa 528
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<213> Homo sapiens
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C1

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<223> n is any nucleotide of a, t, g or c
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<223> n is any nucleotide of a, t, g or c
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<223> n is any nucleotide of a, t, g or c
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gcttcgaggg gacctacctg gagctggcca gtgctgtnaa ggagcagtat ccgggcatcg 180
agatcgantc gcgcctcggg ggcacagggt cctttaagat agagataaat ggacagctgg 240
tgttctccaa gctngagaat gggggctttn cctatgagaa agatctcatt 290
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<212> DNA
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<222> (113)..(113)

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<223> n is any nucleotide of a, t, g or c

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<223> n is any nucleotide of a, t, g or c

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<223> n is any nucleotide of a, t, g or c

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<222> (292)..(292)

<223> n is any nucleotide of a, t, g or c

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<221> misc_feature

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<223> n is any nucleotide of a, t, g or c

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<223> n is any nucleotide of a, t, g or c

<400> 39

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gaaggagcac tatccgggca tcgagatcga gtcgcgcctc nggggcacag gtnctttgag 120
atagagataa atggacagct ggtgttctcc aagctggaga atgggggctt tncctatgag 180
aaagatctca ttgaggccat ccgaagagcc agtaatggag aaacctagaa aagttcacca 240
acagccgtcc ttcctncgtc attctattga ctgcacagga ttctnggtt cntgctntgt 300
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<210> 40

<211> 321

<212> DNA

<213> Homo sapiens

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<223> n is any nucleotide of a, t, g or c

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<222> (282)..(282)
<223> n is any nucleotide of a, t, g or c

<220>
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<223> n is any nucleotide of a, t, g or c

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gagataaatg gacagctggg gttctccaag ctggagaatg ggggctttcc ctatgagaaa 120
gatctcattg aggccatccg aagagccagt aatnggagaa accctagaaa agatcaccaa 180
cagccgtcct acctgcgtca tctgtgact gcacaggact ctgggttctt gctctgttct 240
gggggtccaa accttggnct tcctttnggt ccctnttggg angttcccct tgcttttttt 300
ccctaattan gttcctagga a 321

<210> 41
<211> 456
<212> DNA
<213> Homo sapiens

<400> 41
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gggtccgcat cgtggtggag tactgtgaac cctgcggctt cgaggcgacc tacctggagc 120
tggccagtgc tgtgaaggag cagtatccgg gcacgcgagat cgagtcgcgc ctcgggggac 180
aggtgctttg agatagagat aaatggacag ctggtgttct ccaagctgga gaatgggggc 240
ttccctatga gaaagatgtg agtatttaca gcgttgggag gacctcttgg tcaccctacc 300
ccaacagtgc atcatcctgt cattccactc ctctagctca ttgaggccat ccgaagagcc 360
agtaatggag aaaccctaga aaagatcacc aacagccgct ctccctgcgt catcctgtga 420
ctgcacagac tctgggttct gctctgttct ggggtc 456

<210> 42
<211> 458
<212> DNA
<213> Homo sapiens

<220>
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<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is any nucleotide of a, t, g or c

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<222> (316)..(316)

<223> n is any nucleotide of a, t, g or c

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<221> misc_feature

<222> (348)..(348)

<223> n is any nucleotide of a, t, g or c

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<222> (368)..(368)

<223> n is any nucleotide of a, t, g or c

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<222> (425)..(425)

<223> n is any nucleotide of a, t, g or c

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<223> n is any nucleotide of a, t, g or c

<400> 42

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gtnttaccna ggcgaagagt ggactgggct ttcgtgggca cttacccttg gaagggggta 120
tgaggtggct ggagaagttt tcatggagag tgtctctctc ctgcccccaa ggccacggaa 180
tcttctattc cttctttgta cccaaagggc aaagtggagg ccagggtctc tttgctaagg 240
agctaagtag gggaaagagg cagggggagc tcccagcagg accaaaggga gaccaagggt 300
tggacccag aacagngcag gaaccagag tcctgtgcag tcacaggntg acgcaggag 360
gacggctntt tgggtgatct ttctagggtt tctccttact ggctcttcgg atggcctcaa 420
tgagnttttc tcatagggaa agcccccttt tncagttt 458

<210> 43

<211> 452

<212> DNA

<213> Homo sapiens

<400> 43

ttgtgtttgt agcgccactt tactgccaat agctgacatt gccctggggt aggggagaat 60
aaataaaatc tgtggcatca gacaggtatt accgaggcga agagtggact gggctttcgt 120
gggcacttac cctgggaagg gggatgagg tggctggaga agtggtcatg gagagtgtct 180
ctctcctgcc cccaaggcca cggaatcttc tattccttct ttgtacccaa agggcaaagt 240
ggaggccagg gtctctttgc taaggagcta agtaggggaa agaggcaggg ggagctccca 300
gcaggaccaa agggagacca aggtttggac cccagaacag aacaggaccc cagagtctct 360
tgcagtcaca ggatgacgca gggaggacgg ctggttggtga tcttttctag ggtttctcca 420
ttactggctc ttcggatggc ctcaatgagc ta 452

<210> 44

<211> 444

<212> DNA

<213> Homo sapiens

<400> 44

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aataaaatct gtggcatcag acaggtatta ccgaggcgaa gagtggactg ggctttcgtg 120
ggcacttacc ctgggaaggg ggtatgagg ggtggagaa gtgttcatgg agagtgtctc 180
tctcctgcc ccaaggccac ggaatcttct attccttctt tgtacccaaa gggcaaagt 240
gaggccaggg tctctttgct aaggagctaa gtaggggaaa gaggcagggg gagctccag 300
caggaccaa gggagaccaa ggtttggacc ccagaacaga gcaggaaccc agagtctgt 360
gcagtcacag gatgacgag ggaggacggc tgttggtgat cttttctagg gtttctccat 420

tactggctct tcggatggcc tcaa

444

<210> 45
<211> 232
<212> DNA
<213> Homo sapiens

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<222> (13)..(13)
<223> n is any nucleotide of a, t, g or c

<220>
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<222> (23)..(23)
<223> n is any nucleotide of a, t, g or c

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<223> n is any nucleotide of a, t, g or c

<220>
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<222> (182)..(182)
<223> n is any nucleotide of a, t, g or c

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aggctcgagcc gggcagtggg gtccgcacatc tgggtggagta ctgtaaacc tgccggcttcg 120
aggcgaccta cctggagctg gccagtnctg tgaaggagca gtatccgggc atcgagatcg 180
antcgcgcct cgggggcaca ggtgccttta agatagagat aaatggacag ct 232

<210> 46
<211> 456
<212> DNA
<213> Homo sapiens

<400> 46
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gggagaataa ataaaatctg tggcatcaga caggtattac cgaggcgaag agtggactgg 120
gctttcgtgg gcacttaccc tgggaagggg gtatgaggtg gctggagaag tgttcatgga 180
gagtgtctct ctccctgccc caaggccacg gaattcttcta ttcccttctt gtacccaaag 240
ggcaaagtgg aggccagggt ctctttgcta aggagctaag taggggaaag aggcaggggg 300
agctcccagc aggaccaaag ggagaccaag gtttggaccc cagaacagag caggaaccca 360
gagtcctgtg cagtcacagg atgacgcagg gaggacggct gttggtgatc ttttctaggg 420
tttctccatt actggctctt cggatggctc aatgag 456

<210> 47
<211> 556
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is any nucleotide of a, t, g or c

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<221> misc_feature
<222> (488)..(488)
<223> n is any nucleotide of a, t, g or c

<220>
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<222> (527)..(527)
<223> n is any nucleotide of a, t, g or c

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<223> n is any nucleotide of a, t, g or c

<220>
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<222> (543)..(543)
<223> n is any nucleotide of a, t, g or c

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atccatgggtt gttctctata tggaacagtt agtaaagttc tgggagtcct aagatctaaa 120
aaaagaaatc taaccatcca acaccaccta aagccatcac tcagatggag gggccatcac 180
gaaaggatac ttttggaggt ggtctgcaaa gaaaaaactt ctagaaaaag acaacaaaat 240
cggccagggtg tgggtggctca cgcttgtaat ccagcgcgtt tgggaggccg aggcgggcag 300
atcacgaggt caagagttcg agaccagcct gaccaacata gtggaaaacc tggtctccac 360
ttaaaaatta caaaaaatta actggggcgt ggttggccgc gcacctggta atcccagcta 420
cttttgggan ggcttggggg caggaagaat cgctttgaac ctgggaaggt tggaggttgc 480
agttgaancc gaggttcgca ccactgcatt tccagccttg ggggaanagg gcganactcc 540
gtntccaaaa aataat 556

<210> 48
<211> 461
<212> DNA
<213> Homo sapiens

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<222> (6)..(6)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is any nucleotide of a, t, g or c

<400> 48
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ataaataaaa tctgtggcat cagacaggta ttaccgaggc gaagagtgga ctgggctttc 120
gtgggcactt accctgggaa ggggtatgag gtggctggag aagtgttcat ggagagtgtc 180
tctctcctgc cccaaggcc acggaatctt ctattccttc tttgtaccca aaggcaaagt 240
ggaggccagg gtctctttgc taaggagcta agtaggggaa aaaggcaggg ggagctccca 300
gcaggaccaa agggagacca aggtttggac ccagaaacag agcaggaacc cagagtcctg 360
tgcagtcaca ngatgacgca gggaggacgg ctnttgggtga tcttttctag ggtttctcca 420
ttacttgctc ttcggatggc ctcaatgaga tctttctcat a 461

<210> 49
<211> 434
<212> DNA
<213> Homo sapiens

<400> 49
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aaaatctgtg gcatcagaca ggtattaccg aggcgaagag tggactgggc tttcgtgggc 120
acttaccctg ggaagggggg atgaggtggc tggagaagtg ttcattggaga gtgtctctct 180
cctgccccca aggccacgga atcttctatt ccttctttgt acccaaaggg caaagtggag 240
gccaggggtct ctttgctaag gagctaagta ggggaaagag gcagggggag ctcccagcag 300
gaccaaaggg agaccaaggt ttggacccca gaacagagca ggaaccaga gtctgtgca 360
gtcacaggat gacgcaggga ggacggctgt tggatgattt ttctagggtt tctccattac 420
tggctcttcg gatg 434

<210> 50
<211> 434
<212> DNA
<213> Homo sapiens

<400> 50
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aaaatctgtg gcatcagaca ggtattaccg aggcgaagag tggactgggc tttcgtgggc 120
acttaccctg ggaagggggg atgaggtggc tggagaagtg ttcattggaga gtgtctctct 180
cctgccccca aggccacgga atcttctatt ccttctttgt acccaaaggg caaagtggag 240
gccaggggtct ctttgctaag gagctaagta ggggaaagag gcagggggag ctcccagcag 300
gaccaaaggg agaccaaggt ttggacccca gaacagagca ggaaccaga gtctgtgca 360
gtcacaggat gacgcaggga ggacggctgt tggatgattt ttctagggtt tctccattac 420
tggctcttcg gatg 434

<210> 51
<211> 459
<212> DNA
<213> Homo sapiens

<400> 51
tcagacctca ttgaggccat ccgaagagcc aataatggag aaaccctaga aaagatcacc 60
aacagccgtc ctccctgcgt catcctgtga ctgcacagga ctctgggttc ctgctctgtt 120
ctgggggtcca aaccttggtc tccctttggt cctgctggga gctccccctg cctctttccc 180
ctacttagct ccttagcaaa gagaccctgg cctccacttt gccctttggt acaaagaagg 240
aatagaagat tccgtggcct tgggggcagg agagagacac tctccatgaa cacttctcca 300
gccacctcat acccccttcc cagggttaagt gcccacgaaa gccaggtcca ctcttcgcct 360
cggtataacc tgtctgatgc cacagatttt atttattctc cctaaccagc ggcaatgtca 420
gctattggca gtaaagtggc gctacaaaca ctaaaaaaa 459

<210> 52
<211> 451
<212> DNA
<213> Homo sapiens

<400> 52
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taggggagaa taaataaaaat ctgtggcatc agacaggtat taccgaggcg aagagtggac 120
tgggcttttc tgggcactta ccctgggaag ggggtatgag gtggctggag aagtgttcat 180
ggagagtgtc tctctcctgc cccaaggcc acggaattct ctattccttc tttgtacca 240
aaggggcaaa gtggaggcca ggtctctttt gctaaggagc taagttaggg aaagaggcag 300
ggggagctcc cagcaggacc aaaggagac caaggtttgg accccagAAC agagcaggaa 360
cccagagtcc tgtgcagtca caggatgacg caggaggagc ggctgttggt gatcttttct 420
agggtttctc cactactggc tcttcggatg g 451

<210> 53
<211> 447
<212> DNA
<213> Homo sapiens

<220>
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<222> (244)..(245)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is any nucleotide of a, t, g or c

<400> 53
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gaataaataa aatctgtggc atcagacagg tattaccgag gcgaagagt gactgggctt 120
tcgtgggcac ttaccctggg aaggggggat gaggtggctg gagaagtgt catggagagt 180
gtctctctcc tgccccaag gccacggaat cttctattcc ttctttgtac ccaaaggcaa 240
agtnnaggcc aggtctctct tgctaaggag ctaagtaggg gaaagaggca gggggagctc 300
ccagcaggac caaagggaga ccaaggtttg gaccccagaa cagagcagga acccagagtc 360
ctgtgcagtc acaggatnac gcagggagga cggctggttg tgatcttttc tagggtttct 420
ccattactgg ctcttcggat ggcctca 447

<210> 54
<211> 473
<212> DNA
<213> Homo sapiens

<400> 54
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aaataaaatc tgtggcatca gacaggtatt accgaggcga agagtggact gggctttcgt 120
gggcacttac cctgggaagg gggatgagg tggctggaga agtggtcatg gagagtgtct 180
cactcctgcc cccaaggcca cggaatcttc tattccttct ttgtacccaa aggcaaagt 240
gaggccaggg tctctttgct aaggagctaa gtaggggaaa gaggcagggg gagctccag 300
caggaccaa gggagaccaa ggtttgggac ccagaaacag agcaggaacc cagagtcctg 360
ttgcagtcac aggatgacgc agggaggacg gctgttggtg atcttttctt agggtttctc 420
cattacttgc tctttcggat ggcctcaat agatcttttc tcatagggga aat 473

<210> 55
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is any nucleotide of a, t, g or c

<400> 55
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aaataaaatc tgtggcatca gacaggtatt accgaggcga agagtggact gggctttcgt 120
gggcacttac cctgggaagg gggatgagg tggctggaga agtggtcatg gagagtgtct 180

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ctctcctgcc cccaaggcca cggaatcttc tattccttct ttgtacccaa agggcaaagt 240
ggaggccagg gtctcttttc taaggagcta agtaggggaa agaggcaggg ggagctccca 300
gcaggaccaa agggagacca aggtttggac cccagaacag agcaggaacc cagagtcctg 360
tgcagtcaca ggnttgaccg caggaggac cggtgttg tgatcctttt ctagggtttc 420
tccattactg gctcttccgg atggnctcaa tgag 454
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<210> 56
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is any nucleotide of a, t, g or c
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gaggcgaaga gtggactggg ctttcgtggg cacttaccct gggaaggggg tatgaggtgg 120
ctggagaagt gttcatggag agtgtctctc tcttgccccc aaggccacgg aatcttctat 180
tccttctttt tacccaaagg gcaaagtgga ggccagggtc tctttgctaa ggagctaagt 240
aggggaaaaga ggcaggggga gctcccagca ggaccaaagg gagaccaagg tttggacccc 300
agaacagagc aggaacccag agtcctgtgc agtcacagga tgacgcaggg aggacggctg 360
ttggtgatct tttctagggt ttccccattn actg 394
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cl

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<210> 57
<211> 427
<212> DNA
<213> Homo sapiens
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<400> 57
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gagaataaat aaaatctgtg gcatcagaca ggtattaccg aggcgaagag tggactgggc 120
tttcgtgggc acttaccctg ggaagggggt atgaggtggc tggagaagtg ttcattggaga 180
gtgtctctct cctgccccca aggccacgga atcttctatt ccttctttgt acccaaaggg 240
caaagtggag gccaggggtc ctttgctaag gagctaagta ggggaaaagag gcagggggag 300
ctcccagcag gaccaaaggg agaccaaggt ttgtacccca gaacagagca ggaaccacaga 360
gtcctgtgca gtcacaggat gacgcaggga ggacggctgt tggatgatct ttctagggtt 420
tctccat 427
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<210> 58
<211> 421
<212> DNA
<213> Homo sapiens
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gtctctctcc tgcccccaag gccacggaat cttctattcc ttctttgtac ccaaagggca 240
aagtggaggc caggggtctc ttgctaagga gctaagtagg ggaaagaggc agggggagct 300
cccagcagga ccaaaggagg accaaggttt ggacccacaga acagagcagg aaccacagat 360
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gtgtctctct	cctgccccca	aggccacgga	atcttctatt	ccttctttgt	acccaaaggg	240
caaagtggag	gccaggggtct	ctttgctaag	gagctaagta	ggggaaagag	gcagggggag	300
ctcccagcag	gaccaaaggg	agaccaaggt	ttggacccca	gaacagagca	ggaaccaga	360
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cacttaccct	gggaaggggg	tatgaggtgg	ctggagaagt	gttcatggag	agtgtctctc	180
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ggccagggtc	tctttgctaa	ggagctaagt	agggggaaag	aggcaggggg	agctcccagc	300
aggaccaaag	ggagaccaag	gtttggaccc	cagaacagag	caggaaccca	gagtcctgtg	360
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tgggcactta ccctgggaag ggggtatgag gtggctggag aagtgttcat ggagagtgtc 180
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tcgtgggcac ttaccctggg aaggggggat gaggtggctg gagaagtgt catggagagt 180
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ggcacttacc ctgggaaggg ggtatgaggt ggctggagaa gtgttcattg agagtgtctc 180
tctcctgccc ccaaggccac ggaatcttct attccttctt tgtacccaaa gggcaaagtg 240
gaggccaggg tctctttgct aaggagctaa gtaggggaaa gaggcagggg gagctcccag 300
caggaccaa gggagaccaa ggtttgacc ccanaacaga gcaggaaccc agagtctctg 360
ncagtcacag gatnacgcag ggaggacggc tgttggtgat ctttt 405
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<210> 73
<211> 396
<212> DNA
<213> Homo sapiens

<220>
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<222> (233)..(233)
<223> n is any nucleotide of a, t, g or c

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gagaataaat aaaatctgtg gcatcagaca ggtattaccg aggcgaagag tggactgggc 120
tttcgtgggc acttaccctg ggaaggggt atgaggtggc tggagaagtg ttcattggaga 180
gtgtctctct cctgccccca aggccacgga atcttctatt ccttctttgt acnccaaagg 240
gcaaagtgga ggccagggtc tctttgctaa ggagctaagt aggggaaaga ggcaggggga 300
gctcccagca ggaccaaagg gagaccaagg tttggacccc agaacagagc aggaacccag 360
agtctgtgac agtcacagga tgacgcaggg aggacg 396
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<210> 74
<211> 392
<212> DNA

<213> Homo sapiens

<400> 74

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tttttagtgt ttgtagcgcc actttactgc caatagctga cattgccctg ggtagggga 60
gaataaataa aatctgtggc atcagacagg tattaccgag gcgaagagt gactgggctt 120
tcgtgggcac ttaccctggg aagggggtat gaggtggctg gagaagtgt catggagagt 180
gtctctctcc tgccccaag gccacggaat cttctattcc ttctttgtac ccaaagggca 240
aagtggaggc cagggctctt ttgctaagga gctaagtagg ggaaagaggc agggggagct 300
cccagcagga ccaaagggag accaagggtt ggacccaga acagagcatg aaccagagt 360
cctgtgcagt cacaggatga cgcaggagg ac 392
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<210> 75

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (362)..(362)

<223> n is any nucleotide of a, t, g or c

<400> 75

C1

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cagggtattac cgaggcgaag agtggactgg gctttcgtgg gcacttacc tgggaagggg 120
gtatgaggtg gctggagaag tggtcatgga gagtgtctct ctctgcccc caaggccacg 180
gaatcttcta ttccttcttt gtacccaaag gcaaagtgga ggccagggtc tctttgctaa 240
ggagctaagt aggggaaaga ggcaggggga gctcccagca ggaccaaagg gagaccaagg 300
tttggacccc agaacagagc aggaaccag agtcctgtgc agtcacagga tgacgcaggg 360
angaccggct tt 372
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<210> 76

<211> 380

<212> DNA

<213> Homo sapiens

<400> 76

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aataaataaa atctgtggca tcagacaggt attaccgagg cgaagagtgg actgggcttt 120
cgtgggcact taccctggga agggggtatg aggtggctgg agaagtgttc atggagagt 180
tctctctcct gcccacaagg ccacggaatc ttctattcct tctttgtacc caaagggcaa 240
agtggaggcc aggtctcttt tgctaaggag ctaagtaggg gaaagaggca gggggagctc 300
ccagcaggac caaagggaga ccaagggttg gaccccagaa cagagcagga acccagagtc 360
ctgtgcagtc acaggatgac 380
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<210> 77

<211> 374

<212> DNA

<213> Homo sapiens

<400> 77

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aaaatctgtg gcatcagaca ggtattaccg aggcgaagag tggactgggc tttcgtgggc 120
acttaccctg ggaaggtggg atgaggtggc tggagaagtg ttcattggaga gtgtctctct 180
cctgccccca aggccacgga atcttctatt ccttctttgt acccaaaggc caaagtggag 240
gccagggtct ctttgctaag gagctaagta ggggaaagag gcagggggag ctcccagcag 300
gaccaaaggg agaccaaggg ttggacccca gaacagagca ggaacccaga gtcctgtgca 360
gtcacaggat gacg 374
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<210> 78
<211> 386
<212> DNA
<213> Homo sapiens

<400> 78
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ccctgggtta ggggagaata aataaaatct gtggcatcag acagggtatta ccgaggcgaa 120
gagtggactg ggctttcgtg ggcacttacc ctgggaaggg ggtatgaggt ggctggagaa 180
gtgttcatgg agagtgtctc tctcctgccc ccaaggccac ggaatcttct attccttctt 240
tgtacccaaa gggcaaagtg gaggccaggg tctctttgct aaggagctaa gtaggggaaa 300
gaggcagggg gagctcccag caggaccaa gggagaccaa ggtttggacc ccagaacaga 360
gcaggaaccc agatcctgt gcagtc 386

<210> 79
<211> 451
<212> DNA
<213> Homo sapiens

<220>
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<223> n is any nucleotide of a, t, g or c

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taaaatctgt ggcacacagc aggtattacc gaggggaaga gtggactggg ctttcgtggg 120
cacttaccct gggaaggggg tatgaggtgg ctggagaagt gttcatggag agtgtctctc 180
tcctgcccc aaggccacgg aatcttctat tccttctttg tacccaaagg caaagtggag 240
gccagggtct ctttgctaag gagctaagta ggggaaagag gcagggggat ctcccagcag 300
gaccaaaggg agaccaaggt ttggacccca gaacagagca aggaacccag agtcctgtgc 360
agtcacagga ttgacgcagg gaggaccggc ttgtttggtg atcctttctt agggtttctc 420
ccattanttg gctctttccg attggcctca a 451

<210> 80
<211> 311
<212> DNA
<213> Homo sapiens

<400> 80
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gtgggcactt accctgggaa gggggtatga ggtggctgga gaagtgttca tggagagtgt 120
ctctctcctg cccccaaggc cacggaatct tctattcctt ctttgtacct aaagggcaaa 180
gtggaggcca ggtctctttt gctaaggagc taagtagggg aaagaggcag ggggagctcc 240
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gtgcagtcac a 311

<210> 81
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature

<222> (349)..(349)
<223> n is any nucleotide of a, t, g or c

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is any nucleotide of a, t, g or c

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gaaggnggtt atgaggtggc tggagaagtg ttcattggaga gtgtctctct cctgccccca 180
aggcacggaa tcttctattc cttctttgta cccaaagggc aaagtggagg ccagggtctc 240
tttgctaagg agctaagtag gggaaagagg caggggggagc tcccagcagg accaaagggg 300
gaccaagggt tgggaccca gaacagagca ggaacccaga gtcctgttnc agttcacagg 360
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<210> 82
<211> 372
<212> DNA
<213> Homo sapiens

<220>
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<222> (73)..(73)
<223> n is any nucleotide of a, t, g or c

<220>
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<223> n is any nucleotide of a, t, g or c

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<223> n is any nucleotide of a, t, g or c

<220>
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<223> n is any nucleotide of a, t, g or c

<220>
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<223> n is any nucleotide of a, t, g or c

<400> 82
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acaggtatta ccnaggcgaa gaggggactg ggctttcgtg ggcacttacc ctgggaaggg 120
ggtatgaggt ggctggagaa gtgttcattg agagtgtctc tctcctgtcc ccaaggccac 180

ggaatcttct attccttctt tgtacccaan gggcaaagng gaggccaggg tctcttttget 240
aaggagctaa gtaggggaaa gaggcagggg gagctcccag caggaccaaa gggggaccaa 300
ggttnggac ccagaaacag ancaggnacc cagagtcctt tgcagtcaca gggatgacgc 360
agggnggacg gc 372

<210> 83
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is any nucleotide of a, t, g or c

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gagggcgaana gtggactggg ctttcgtggg cacttaccct gggaaggggg tatgaggggg 180
ctggaaaagt gttcatggag agtgtctctc tcctgcccc aaggccacgg aatcttttat 240
tccttctttg tacccaaagg gcaaagtggg gggcaggggc tttttgctaa ggagctaaat 300
aggggaaaaga ggcaggggga gctccancca ggaccaaagg gagaccaagg tttggacccc 360
aaaacaaagc aggaacccaa agtcctgtgc agtcacagga t 401

<210> 84
<211> 733
<212> DNA
<213> Homo sapiens

<400> 84
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tctcccggac tcctgaggtc acatgcgtgg tgggtggacgt aagccacgaa gaccctgagg 180
tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgctgg 240
aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300
ggctgaatgg caaggagtac aagtgcgaagg tctccaacaa agccctccca acccccatcg 360
agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420
catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctgggc aaaggcttct 480
atccaagcga catcgccgtg gagggggaga gcaatgggca gccggagaac aactacaaga 540
ccacgcctcc cgtgctggac tccgacggct ccttcttctt ctacagcaag ctcaccgtgg 600
acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggtctctg 660
acaaccacta cagcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc 720
gactctagag gat 733

<210> 85
<211> 9
<212> PRT
<213> Homo sapiens

<400> 85
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1 5

<210> 86
<211> 9
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<213> Homo sapiens

<400> 86

Ser Thr Glu Pro Gly Gln Ile Ser Tyr
1 5

<210> 87

<211> 9

<212> PRT

<213> Homo sapiens

<400> 87

Gly Thr Glu Pro Ser Arg Leu Gly Tyr
1 5

<210> 88

<211> 9

<212> PRT

<213> Homo sapiens

<400> 88

Phe Leu Ile Glu Ile Asn Trp Tyr Leu
1 5

<210> 89

<211> 10

<212> PRT

<213> Homo sapiens

<400> 89

Phe Leu Tyr Glu Lys Asp Leu Ile Glu Ala
1 5 10

<210> 90

<211> 10

<212> PRT

<213> Homo sapiens

<400> 90

Phe Leu Tyr Glu Lys Asp Leu Ile Glu Val
1 5 10

<210> 91

<211> 9

<212> PRT

<213> Homo sapiens

<400> 91

Gly Val Phe Pro Tyr Glu Lys Asp Leu
1 5

<210> 92

<211> 10

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c/ <213> Homo sapiens

<400> 92

Cys Val Glu Phe Ala Thr Tyr Leu Glu Leu
1 5 10

<210> 93

<211> 10

<212> PRT

<213> Homo sapiens

<400> 93

Phe Val Tyr Glu Lys Asp Leu Ile Glu Ala
1 5 10

<210> 94

<211> 9

<212> PRT

<213> Homo sapiens

<400> 94

Gln Tyr Pro Gly Ile Glu Ile Glu Leu
1 5

<210> 95

<211> 10

<212> PRT

<213> Homo sapiens

<400> 95


Ile Tyr Gly Gln Leu Val Phe Ser Lys Leu
1 5 10

<210> 96

<211> 9

<212> PRT

<213> Homo sapiens

 <400> 96

Lys Leu Glu Asn Gly Gly Phe Pro Lys
1 5

<210> 97

<211> 9

<212> PRT

<213> Homo sapiens

<400> 97

Ile Leu Gly Gln Leu Val Phe Ser Lys
1 5

<210> 98

<211> 10

<212> PRT

<213> Homo sapiens

<400> 98

Leu Leu Asn Gly Gly Phe Pro Tyr Glu Lys
1 5 10

<210> 99

<211> 9

<212> PRT

<213> Homo sapiens

<400> 99

Ile Val Gly Gln Leu Val Phe Ser Lys
1 5

<210> 100

<211> 10

<212> PRT

<213> Homo sapiens

<400> 100

Leu Val Asn Gly Gly Phe Pro Tyr Glu Lys
1 5 10

<210> 101

<211> 9

<212> PRT

<213> Homo sapiens

<400> 101

Lys Ile Leu Ile Glu Ala Ile Arg Arg
1 5

<210> 102

<211> 9

<212> PRT

<213> Homo sapiens

<400> 102

Tyr Val Gly Ile Glu Ile Glu Ser Arg
1 5

<210> 103

<211> 9

<212> PRT

<213> Homo sapiens

<400> 103

Glu Val Val Glu Pro Gly Ser Gly Arg
1 5

<210> 104

<211> 9

<212> PRT

<213> Homo sapiens

<400> 104

Ser Arg Leu Gly Gly Thr Gly Ala Leu
1 5

<210> 105

<211> 10

<212> PRT

<213> Homo sapiens

<400> 105

Glu Arg Ile Thr Asn Ser Arg Pro Pro Leu
1 5 10

<210> 106

<211> 9

<212> PRT

<213> Homo sapiens

<400> 106

Glu Glu Val Glu Pro Gly Ser Gly Leu
1 5

<210> 107

<211> 10

<212> PRT

<213> Homo sapiens

<400> 107

Ile Glu Ile Glu Ser Arg Leu Gly Gly Leu
1 5 10

<210> 108

<211> 9

<212> PRT

<213> Homo sapiens

<400> 108

Val Glu Pro Gly Ser Gly Val Arg Leu
1 5

<210> 109

<211> 10

<212> PRT

<213> Homo sapiens

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Phe Glu Ile Glu Ile Asn Gly Gln Leu Leu
1 5 10

<210> 110

<211> 9

<212> PRT

<213> Homo sapiens

<400> 110

Phe Glu Ala Thr Tyr Leu Glu Leu Val
1 5

<210> 111

<211> 10

<212> PRT

<213> Homo sapiens

<400> 111

Lys Glu Leu Ile Glu Ala Ile Arg Arg Val
1 5 10

<210> 112

<211> 9

<212> PRT

<213> Homo sapiens

<400> 112

Glu Gln Cys Gly Phe Glu Ala Thr Tyr
1 5

<210> 113

<211> 10

<212> PRT

<213> Homo sapiens

<400> /113

Glu Gln Arg Leu Gly Gly Thr Gly Ala Phe
1 5 10

<210> 114

<211> 10

<212> PRT

<213> Homo sapiens

<400> 114

Gly Gln Gly Val Arg Ile Val Val Glu Tyr
1 5 10

<210> 115

<211> 9

<212> PRT

<213> Homo sapiens

<400> 115

Asn Pro Arg Pro Pro Cys Val Ile Leu
1 5

<210> 116

<211> 10

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<213> Homo sapiens

<400> 116

Glu Pro Gly Ser Gly Val Arg Ile Val Leu
1 5 10

<210> 117

<211> 9

<212> PRT

<213> Homo sapiens

<400> 117

Glu Thr Leu Glu Lys Ile Thr Asn Leu
1 5

<210> 118

<211> 8

<212> PRT

<213> Homo sapiens

<400> 118

Glu Ala Ile Arg Arg Ala Ser Leu
1 5

<210> 119

<211> 10

<212> PRT

<213> Homo sapiens

<400> 119

Ile Ala Arg Ala Ser Asn Gly Glu Thr Leu
1 5 10

<210> 120

<211> 9

<212> PRT

<213> Homo sapiens

<400> 120

Arg Arg Ala Ser Asn Gly Glu Thr Phe
1 5

<210> 121

<211> 10

<212> PRT

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C) <400> 121

Val Arg Ile Val Val Glu Tyr Cys Glu Tyr
1 5 10

<210> 122

<211> 9

<212> PRT

<213> Homo sapiens

<400> 122

Ile Arg Arg Ala Ser Asn Gly Glu Leu
1 5

<210> 123

<211> 10

<212> PRT

<213> Homo sapiens

<400> 123

Arg Arg Ala Ser Asn Gly Glu Thr Leu Leu
1 5 10

<210> 124

<211> 9

<212> PRT

<213> Homo sapiens

<400> 124

Phe Pro Lys Leu Glu Asn Gly Gly Met
1 5

<210> 125

<211> 10

<212> PRT

<213> Homo sapiens

<400> 125

C) Phe Pro Tyr Glu Lys Asp Leu Ile Glu Met
1 5 10

<210> 126

<211> 9

<212> PRT

<213> Homo sapiens

<400> 126

Phe Asp Ile Glu Ile Asn Gly Gln Leu
1 5

<210> 127

<211> 10

<212> PRT

<213> Homo sapiens

<400> 127

Phe Asp Ile Glu Ile Asn Gly Gln Leu Ile
1 5 10

<210> 128

<211> 9

<212> PRT

<213> Homo sapiens

<400> 128

Gly His Glu Ala Thr Tyr Leu Glu Leu
1 5

<210> 129

<211> 10

<212> PRT

<213> Homo sapiens

<400> 129

Ala His Glu Ile Glu Ile Asn Gly Gln Leu
1 5 10

<210> 130

<211> 9

<212> PRT

<213> Homo sapiens

<400> 130

Arg His Ala Ser Asn Gly Glu Thr Leu
1 5

<210> 131

<211> 10

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<213> Homo sapiens

<400> 131

Cys His Phe Glu Ala Thr Tyr Leu Glu Leu
1 5 10

<210> 132

<211> 9

<212> PRT

<213> Homo sapiens

<400> 132

Asn Lys Gln Leu Val Phe Ser Lys Leu
1 5

<210> 133

<211> 9

<212> PRT

<213> Homo sapiens

<400> 133

Ile Glu Ile Asn Gly Gln Leu Val Tyr
1 5

<210> 134

<211> 10

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<213> Homo sapiens

<400> 134

Ile Glu Ile Glu Ser Arg Leu Gly Gly Tyr
1 5 10

<210> 135

<211> 9

<212> PRT

<213> Homo sapiens

<400> 135

Leu Pro Gly Thr Gly Ala Phe Glu Ile
1 5

<210> 136

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Ser Pro Val Lys Glu Gln Tyr Pro Gly Ile
1 5 10

<210> 137

<211> 9

<212> PRT

<213> Homo sapiens

<400> 137

Gly Pro Phe Pro Tyr Glu Lys Asp Ile
1 5

<210> 138

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<213> Homo sapiens

<400> 138

Ser Pro Val Lys Glu Gln Tyr Pro Gly Ile
1 5 10

<210> 139

<211> 9

<212> PRT

<213> Homo sapiens

<400> 139

Leu Ala Phe Thr Gly Ala Phe Glu Ile
1 5

<210> 140

<211> 10

<212> PRT

<213> Homo sapiens

<400> 140

Glu Ala Gly Ser Gly Val Arg Ile Val Val
1 5 10

<210> 141

<211> 9

<212> PRT

<213> Homo sapiens

<400> 141

Leu Gln Ile Asn Gly Gln Leu Val Ile
1 5

<210> 142

<211> 10

<212> PRT

<213> Homo sapiens

<400> 142

Val Gln Pro Gly Ser Gly Val Arg Ile Val
1 5 10

<210> 143

<211> 9

<212> PRT

<213> Homo sapiens

<400> 143

Phe Ser Lys Leu Glu Asn Gly Gly Trp
1 5

<210> 144

<211> 10

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<213> Homo sapiens

<400> 144

Gly Ser Gly Val Arg Ile Val Val Glu Trp
1 5 10

<210> 145

<211> 10

<212> PRT

<213> Homo sapiens

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Ser Ala Val Lys Glu Gln Tyr Pro Gly Leu
1 5 10

<210> 146

<211> 9

<212> PRT

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C1
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Glu Phe Cys Gly Phe Glu Ala Thr Leu
1 5

<210> 147

<211> 10

<212> PRT

<213> Homo sapiens

<400> 147

Val Phe Ser Lys Leu Glu Asn Gly Gly Leu
1 5 10
